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Substitute Form PTO-1449 U.S. Department of Commerce (Modified)  U.S. Department of Commerce and Trademark Office	Attorney's Docket No. 14170-061001	Application No. 09/996,978
Information Disclosure Statement by Applicant	Applicant Mark D. Markel	
(Use several sheets if necessary) (37 CFR §1.98(b))	Filing Date October 31, 2001	Group Art Unit 3739

				U.S. PATENT DOCU	MENTS	
Examiner	Cite No.1	U.S. Patent		Name of Patentee or Applicant	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant
Initials*		Number	Kind Code <sup>2</sup> (if known)	of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear
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A.K.	Bl	5,843,078		SHARKEY	12/01/1998	
1	Cı	5,814,040		NELSON et al.	09/29/1998	
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t	F1	5,718,702		EDWARDS	02/1998	
17	G1	5,697,909	i	EGGERS et al.	12/1997	
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1	J1	5,683,366		EGGERS et al.	11/1997	RECEIVED
T .	K1	5,681,282		EGGERS et al.	10/1997	SEP 1 0 2003
1	Li	5,630,839		CORBETT, III et al.	05/1997	-021 1 0 2003
	M1	5,599,346		EDWARDS et al.	02/1997	TECHNOLOGY CENTER R370
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+	P1	5,527,331		KRESCH et al.	06/1996	
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	R1					

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Examiner Initials* Cite		Forei	-	nt Kind Code <sup>2</sup> ( <i>if known</i> )	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
1.8	Sl	EP.	0 257 116	Al	Telectronics N.V.	03/1988		
1	Tl	EP.	0 274 705	Al	Erintrud Frimberger	07/1988	abstract	
	Ul	EP.	0 479 482	Al	Megadyne Medical Products Inc.	04/1992		
	Vi	EP.	0 521 595	A2	Lundquist, I.	01/1993		T.,
	W1	EP.	0 542 412	Al	Everest Medical Corp.	05/1993		T
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A.R.	Y1	EP.	0 566 450	A1	Inst. Nat Sante Rech. Med	10/1993	abstract	
<u>, , , , , , , , , , , , , , , , , , , </u>	Z1		<b>†</b>					$\top$

Examiner Signature	agron	Moare	Date Considered	1/31/2004

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

Substitute Form PTO-1449 (Modified)

U.S. Decarment of Commerce Patch and Trademark Office

Attorney's Docket No. 14170-061001

Application No. 09/996,978

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0 9 2003

Applicant Mark D. Markel

Filing Date

Group Art Unit 3739

(37 CFR §1.98(b))

October 31, 2001

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Initials*	Number		Kind Code <sup>2</sup> (if known)	of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear
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11. P.	B2	5,507,812		MOORE	04/1996	
1	C2	5,500,012		BRUCKER et al.	03/1996	
	D2	5,498,258		HAKKY et al.	03/1996	
1	E2	5,487,757		TRUCKAI et al.	01/1996	
	F2	5,486,170		WINSTON et al.	01/23/1996	
	G2	5,484,435		FLEENOR et al.	01/1996	
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	12	5,484,403	·	YOAKUM et al.	01/1996	· · · · · · · · · · · · · · · · · · ·
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A.R.	K2	5,464,023		VIERA	11/1995	CED
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1	N2	5,437,662		NARDELLA	08/01/1995	TECHNOLOGY CENTER R3700
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	R2					

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Iniuais*	No.	Offic	e³ Number⁴	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY		Té
A.R	S2	EP.	0 572 131	A1	Everest Medical Corp.	12/1993		
	T2	EP.	0 682 910	Al	Guenther et al.	11/1995	abstract	
1.	U2	EP.	0 479 482	Bl	Megadyne Medical Products Inc.	05/1996		1
	V2	EP.	0 729 730	A1	Aust, Gilbert et al.	09/1996	· · · · · · · · · · · · · · · · · · ·	1
	W2	EP.	0 737 487	A2	Cardiorhythm	10/1996	—·	1
<b>₹</b>	X2	EP.	0 783 903	Al	Bruker Sa	07/1997	abstract	1
A.R.	Y2	FR.	1122634		Technomed Int. Sa	09/1956	abstract	+-
	Z2				1			1

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Substitute Form PTO-14492 U.S. Descriment of Paterland Trade

Information Disclosure Statement

U.S. Designtment of Commerce and Trademark Office

Attorney's Docket No. 14170-061001 Applicant

Application No. 09/996,978

by Applicant

(Use several sheets if necessary)

Mark D. Markel

Filing Date

Group Art Unit

(37 CFR §1.98(b))

October 31, 2001

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Initials*	tials* Number Kind Code <sup>2</sup> (if known)				MM-DD-YYYY	Passages or Relevant Figures Appear
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1	В	3	5,428,699	PON	07/27/1995	
	C	3	5,423,806	DALE et al.	06/1995	
	D	3	5,415,633	LAZARUS et al.	05/1995	
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	F.	3	5,401,272	PERKINS	03/1995	
	G	3	5,397,304	TRUCKAI	03/1995	
$\neg \uparrow$	н	13	5,382,247	CIMINO et al.	01/1995	RECEIVED
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1	К	3	5,364,395	WEST, JR.	11/1994	
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$\neg \vdash$	М	13	5,352,868	DENEN et al.	10/1994	
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	0	)3	5,342,357	NARDELLA	08/1994	
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Examiner Initials*			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T		
A.R.	S3	FR.	2 645 008		Technomed Int. SA	03/1989	abstract	
1	Т3	DE.	3511107	A1	Fischer Met Gmbh	10/1986	abstract	
	U3	DE.	3632197	A1	Audi Nsu Auto Union	03/1988	abstract	
-	V3	JP.	05-042166	1	Inter Noba KK	05/1993	abstract	
	W3	SU.	637118	A	Movshovich et al.	12/1978		
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A.R.	Y3	GB.	2 164 473	A	C R Bard Inc.	03/1986		
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Substitute Form PTO-144 U.S. Application No. Attorney's Docket No. partment of Commerce ent and Trademark Office 09/996,978 14170-061001 Applicant **Information Disclosure Statement** Mark D. Markel by Applicant (Use several sheets if necessary) Filing Date Group Art Unit October 31, 2001 3739 (37 CFR §1.98(b))

				U.S. PATENT DOC	UMENTS	
Examiner Initials*	Cite No.1	U.S. Patent		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages; Columns, Lines, Where Relevant
		Number	Kind Code <sup>2</sup> (if known)	of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear
A.K	A4	5,320,115		KENNA	06/1994	
1	B4	5,311,858		ADAIR	05/1994	
	C4	5,308,311		EGGERS et al.	05/1994	
1	D4	5,304,169		SAND	04/1994	
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	F4	5,275,151		SHOCKEY et al.	01/1994	
	G4	5,267,994		GENTELIA et al.	12/1993	
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	N4	5,201,730		EASLEY et al.	04/1993	
1	04	5,201,729		HERTZMANN et al.	04/1993	
-{	P4	5,192,267		SHAPIRA et al.	03/1993	
A.R	Q4	5,191,883		LENNOX et al.	03/1993	
	R4					

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Examiner	Cite No.1	Forei	gn Patent Documen		Name of Patentee or Applicant	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Initials*		Office		ind Code <sup>2</sup> (if known)	of Cited Document	MM-DD-YYYY		Τ°
A.R.	S4	wo	WO 85/02762	A1	Kh Hii Obschei Noetlozh Khirug	07/1985	abstract ,	
1	T4	wo	WO 92/10142	Al	Pfizer Hospital Products Group	06/1992		
	U4	wo	WO 93/01774	Al	Boeckmann Alfred Dipl Ing	02/1993	abstract	
	V4	wo	WO 93/16648	A1	Kensey Nash Corp.	09/1993		$\neg$
	W4	wo	WO 93/20984	Al	Zhi et al.	10/1993		7
- 1	X4	wo	WO 95/01814	Al	Urologix Inc.	01/1995		7
A.R	Y4	wo	WO 95/13113	Al	Somed International Inc.	05/1995		
	Z4							

Examiner Signature	agran France	Date Considered	1/21/2004	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

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Substitute Form PTO-109

(37 CFR §1.98(b))

**S**epartment of Commerce

Attorney's Docket No. 14170-061001

Application No. 09/996,978

Information Discrosure Statement by Applicant

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Mark D. Markel

Filing Date

Applicant

October 31, 2001

Group Art Unit 3739

				U.S. PATENT DOCU	MENTS		
Examiner	Cite No.1	U.S. Patent Do		Name of Patentee or Applicant	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant	
Initials*		Number	Kind Code <sup>2</sup> (if known)	of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear	
A.12	A5	5,186,181		FRANCONI et al.	02/1993		
1	B5	5,178,620		EGGERS et al.	01/1993		
-	C5	5,103,804		ABELE et al.	04/1992		
_	D5	5,100,402	. ]	FAN	03/1992		
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	G5	5,085,657		BEN-SIMHON	02/1992		
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	K5	4,998,933		EGGERS et al.	03/1991	TECHNO.	
	L5	4,976,715		BAYS et al.	12/1990	ON OLOGY CENTER	
	М5	4,976,709		SAND	12/1990	TECHNOLOGY CENTER H3700	
	N5	4,966,597		COSMAN	10/1990		
$\Box$	O5	4,955,882		HAKKY	09/1990		
1	P5	4,950,234		FUЛОKA et al.	08/1990		
A.R.	Q5	4,944,727		MCCOY	07/1990		
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Examiner Initials*	Cite No.1	Forei	gn Patent Docum	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
AR	S5	wo	WO 95/18575	Al	Vadamed, Inc.	07/1995		
1	T5	wo	WO 95/20360	A1	Valley lab Inc.	08/1995		1
	U5	wo	WO 95/25471	A2	Valleylab Inc.	09/1995		1
	V5	wo	WO 95/30373	Al	Dorsal Orthopedic Corp.	11/1995		
	W5	wo	WO 95 /30377	A1	Dahlstrand	11/1995		
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A.T.	Y5	wo	WO 96/11638	Al	Femrx	04/1996		
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Examiner Signature	agron	Date Considered	1/31/	2004

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Burden How Statement This form is setting and the communication to applicant.

Sheet <u>6</u> of <u>12</u> Substitute Form PTO-14 Application No. U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 09/996,978 14170-061001 Information Discher Applicant e Statement Mark D. Markel by Applicant (Use several sheets if necessary) Filing Date **Group Art Unit** 3739 October 31, 2001 (37 CFR §1.98(b))

		•		U.S. PATENT DOCU	JMENTS	
Examiner Initials*		Vo.1		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant
		Number 1	Kind Code <sup>2</sup> (if known)	of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear
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1	В6	4,907,589		COSMAN	03/1990	
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1	М6	4,593,691		LINDSTROM et al.	06/1986	TECHNOLOGY OF LEEP TORS
	N6	4,590,934		MALIS et al.	05/1986	TECHNOLOGY CENTER R970
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AR	86	wo	WO 96/32051	A1	Arthrocare Corp.	10/1996	,	
	Т6	wo	WO 96/34568	A1	Knowlton, E.	11/1996		
	U6	wo	WO 96/34571	A1	Cosman, E.	11/1996		
	V6	wo	WO 96/39914	Al	Arthrocare Corp.	12/1996		$\top$
	W6	wo	WO 97/06855	A2	Rita Medical Systems, Inc.	02/1997		$\top$
AIR	X6	wo	WO 98/07468	Al	Oratec Interventions, Inc.	02/1998		1
	Y6	1	Ì	1				$\top$
	Z6							1

Examiner Signature	aaron	Prome	Date Considered	1/21/2004

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Substitute Form PTO-1449 (Modified)

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Attorney's Docket No. 14170-061001

Application No. 09/996.978

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Mark D. Markel

Applicant

Filing Date

(37 CFR §1.98(b))

**Group Art Unit** 3739 October 31, 2001

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	C7	4,381,007	DOSS	04/1983	
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	F7	4,344,193	KENNY	08/1982	
	G7	4,326,529	DOSS et al.	04/1982	
	Н7	4,224,697	MURRAY et al.	09/1980	
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A.R.	Q7	3,945,375	BANKO	03/1976	
	R7			·	
	S7		-		
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	U7		· · · · · · · · · · · · · · · · · · ·		
	V7		·		
	W7	***************************************			

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Initials*	No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Cited Document Where Relevant	Passages or Relevant	T <sup>6</sup>
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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

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Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Dedemark Office

Attorney's Docket No. 14170-061001

Applicant

Application No. 09/996,978

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Mark D. Markel

(37 CFR §1.98(b))

Filing Date October 31, 2001

Group Art Unit 3739

U.S. PATENT DOCUMENTS Cite U.S. Patent Document Pages, Columns, Lines, Date of Publication of Examiner Name of Patentee or Applicant No.1 Where Relevant Cited Document Initials\* of Cited Document Kind Code<sup>2</sup> Passages or Relevant Number MM-DD-YYYY (if known) Figures Appear 3,938,198 KAHN et al. Α8 02/1976 **B8** 3,886,600 KAHN et al. 06/1975 C8 3,879,767 SUBSTAD 04/1975 D8 3,867,728 SUBSTAD et al. 02/1975 IGLESIAS E8 3,856,015 12/1974 F8 3,821,510 MUNCHERYAN 06/28/1974 G8 NEEFE 3,776,230 12/1973 H8 MORGAN 3,579,643 05/1971 18 3,178,728 CHRISTENSEN 04/1965 J8 2,090,923 WAPPLER 08/1937 K8 L8 M8 N8 08 TECHNOLOGY CENTER 13700 P8 08 R8 **S8** T8 U8 V8 W8

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**Information Disclosure Statement** 

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Mark D. Markel

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October 31, 2001

**U.S. Patent Documents** Filing Date Document Publication Examiner Desig. Date Patentee Class Subclass If Appropriate Initial ID Number Sharps et al. IA 6,602,248 8/5/03 4/8/03 Markel et al. IΒ 6,544,260 IC 6,482,204 11/19/02 Lax et al. 11/21/00 Baker et al. ID 6,149,620 ΙE 5/23/00 Eggers et al. 6,066,134 IF 5,609,151 3/11/97 Mulier et al. 5,431,649 7/11/95 Mulier et al. IG TECHNOLOGY CENTER 13700 3/10/98 Mulier et al. ΙH 5,725,524 II IJ ΙK

	Foreign Patent Documents or Published Foreign Patent Applications								
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Substitute Form PTO-1449 U.S. De Tradified) Application No. Attorney's Docket No. artment of Commerce and Trademark Office 09/996,978 14170-061001 **Applicant Information Disclosure Statement** Mark D. Markel by Applicant (Use several sheets if necessary) Filing Date Group Art Unit 3739 October 31, 2001 (37 CFR §1.98(b))

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	•				
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Substitute Form PTO-1449	U.S. Department of Commerce	Attorney's Docket No. 14170-061001	Application No. 09/996,978
	Statement Applicant	Applicant Mark D. Markel	
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	ľ	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	,				
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
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Sheet <u>12</u> of 12

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Substitute Form PTO-144 (Modified)	U.S. Repartment of Commerce	Attorney's Docket No. 14170-061001	Application No. 09/996,978		
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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	Т
Examiner Cite Initials* No.1		item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
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